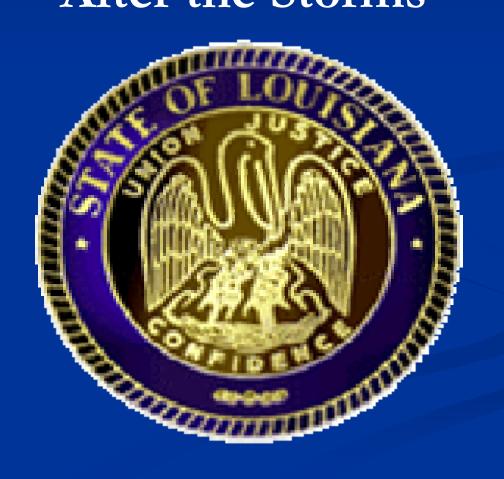
Louisiana Totally Interoperable Environment (LATIE) After the Storms



Katrina/Rita Communication Losses

- Commercial telephone switch failed, causing failure of emergency telephone and wireless systems.
- 911 systems failed due to loss of commercial switch.
- State system suffered equipment loss from flooding.
- Local systems suffered loss of equipment, power, towers.

Remediation

- Re-engineered communications paths.
- Re-established backhaul to commercial network with satellite and microwave.
- Added tower site on top of Pan American building by helicopter.
- Added capacity by borrowing and relocating repeaters.
- Moved some local communications onto state system.
- Took 911 calls for out of service local systems 22,000 of them and dispatched every call.

Communications Interoperability Defined

■ The US Department of Homeland Security's SAFECOM Project Defines Communications Interoperability as:

■ The ability of public safety emergency responders to work seamlessly with other systems or products without any special effort.

FEMA Support

- Approved \$15.9M Infrastructure Replacement and Augmentation
- Authorized \$5M purchase of Radio Equipment For UASI Region 1. This was Transferred to St. Bernard and Plaquemines Parishes

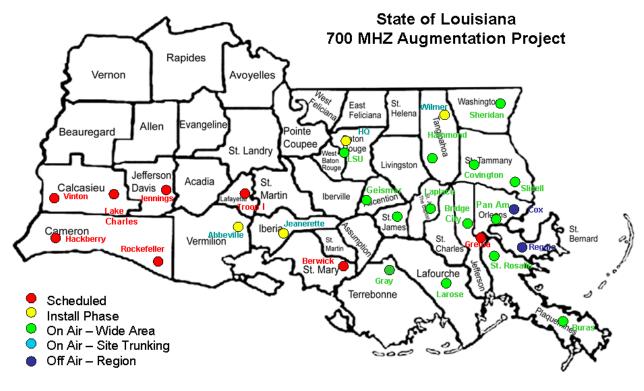
700 MHz Network Expansion

- Expansion of 700 MHz System to Southwest Louisiana Through Remediation of 7 Existing 800 MHz Sites and 2 Additional Sites
 - \$2.8 Million in State Funds
 - Target Completion Date of July 31, 2006
- DOTD for Microwave Connection
 - LaPlace Site / Troop B Site
 - Crescent City Connection Site / Gretna Site
- Coordinating with Board of Regents on LONI Project for Fiber Connectivity Between State and Reg 1 Switches

Hurricane Katrina Efforts

NETWORK HIGHLIGHTS

- APCO 25 Network
- 28 Tower Sites
 - Impacted Parishes
- Master Site
 - DPS compound
- 700 & 800 MHz capable
- Can add 100+ sites
- "Portable" Coverage



Emergency Support Function 2 Communications

- Coordination Among ESF-2 Primary Agencies to Produce a Comprehensive Communications Plan
 - GOHSEP, LANG, and LSP
 - ESF 2 Primary agencies will operate a response cell during critical incidents
- Communications Strategy
 - Shared 800 MHz / 700 MHz Network
 - Layers of Redundancy
 - Increased Capacity
 - Greater Interoperability Through Bridging Equipment

Emergency Support Function 2 Communications

 Primary ESF-2 Agencies will Maintain a 24-Hour Operations Cell During Critical Incidents

Levels of Interoperability

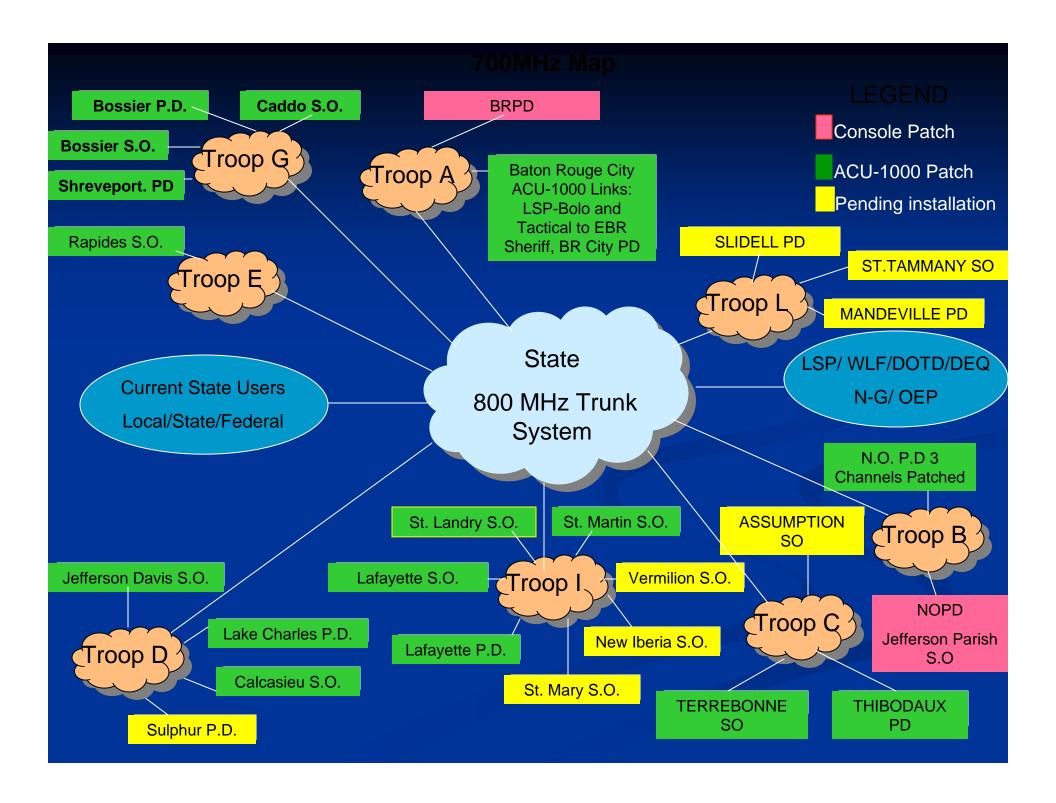
	Method	Fit	
Standards-Based Shared Systems	Standards-Based Shared Systems	Best Long-Term Solution	
System-Specific Roaming	System-Specific Roaming	Full-featured, Wide Area	
Gateway (Console Patch)	Gateways	Short-Term System Modification	
Mutual Aid Channels	Mutual Aid Channels	Easily deployed Simple Short-Term	
Talkaround	Talkaround	Solutions	
Swap Radios	Swap Radios	Time-consuming	

700 MHz System Redundancy of Path and Technology

- Satellite Connections to be Installed at Key Troops
 - Troop B
 - Troop C
 - Troop D
 - Troop I
 - Troop L

Communication Acquisitions for Redundancy and Interoperability

- LSP has Purchased 8 ACU-1000 Devices
 - Six of These have been Installed at Troops
 - Two are Portable and can be Deployed where Needed
- As LSP and LANG Deploy New 700 MHz Radios, the 800 MHz Radios Collected from Personnel can be Distributed to other First Responders
- Pool of Computer "Aircards" and Blackberry Devices for Deployment During Critical Incidents



Communication Restoration and Augmentation Acquisitions

- Two LSP Portable 700 MHz / 800 MHz
 Communications Trailers
 - Estimated Deployment Date of July 31, 2006
 - 700 MHz / 800 MHz Repeaters
 - Satellite Connectivity
 - Computer Network Connectivity / Laptop Computers
 - VOIP Telephone Connectivity
 - Bridging / Gateway Equipment
 - On-board Generators

Communication Acquisitions by GOHSEP

- Acquisition of Similar Communications Trailers by GOHSEP will Enhance Connectivity with Local Officials
 - Three Rapid Communications Systems Capable of Providing VOIP, Computer Access and Interoperable Radio Communications
 - Three PacStar 5500 Communication Systems to Provide Telephone, Computer and Internet Access Via Satellite
 - Telephone Redundancy Via Mitsubishi Satellite Units In Selected Parishes, Wireless Access Priority for Cellular Telephones and FEMA Region VI Satellite System at State EOC

Additional Significant Achievements for Communications Interoperability

- Governor Blanco established Executive Order KBB-2006-17 – Statewide Interoperable Communications Executive Committee
- Statewide Talkgroup Development
- Joint Local and State Request for Federal Appropriations for Infrastructure and Subscriber Units
- Combined Local and State Efforts in Utilization of Homeland Security Grant Funding

800/700 MHz Talkgroups

800 MHz Talkgroups	

A-Coord/Talk-1

A-Coord/Talk-2

A-Regroup

Special-6

Special-7

Special-8

700 MHz Talkgroups A-Dispatch-1 Headquarters Headquarters A-Dispatch-1 A-Dispatch-2 DPS-Police-1 DPS-Police-1 A-Dispatch-2 DPS-Police-2 A-Secure-1 A-Secure-1 DPS-Police-2 DPS-Police-3 A-Secure-2 DPS-Police-3 A-Secure-2 Tess-1 A-Car/Car Tess-1 A-Car/Car Tess-2 A-Gaming A-Gaming Tess-2 Statewide-1 A-CIB/NARC A-CIB/Narc Statewide-1 Statewide-2 A-CIB/Gen Statewide-2 A-CIB/Gen Special-1 A-Exec/Sec Special-1 A-Exec/Sec Special-2 A-DPS/Oth (Bolo) Special-2 A-BOLO Special-3 A-Lsp-1 (Tactical) Special-3 A-Tactical Special-4 A-Lsp-2 Special-4 A-Lsp-2 Special-5 A-Coord/Call Special-5 A-Coord/Call

Special-6

Special-7

Special-8

A-Coord/Talk-1

A-Coord/Talk-2

A-Regroup

- Statewide (Used when needed in Large Coverage areas)
- Region Wide (Used in Local Troop Coverage areas)
- Parish Wide (Used in parish areas)

- Statewide Channels
 - Statewide 1
 - ■Statewide 2
 - ■Statewide 3

Region Wide

■ A-Bolo

A-Tactical

A-Coord/Call

A-Coord/Talk-1

■ A-Coord/Talk-2

B-Bolo

B-Tactical

B-Coord/Call

B-Coord/Talk-1

B-Coord/Talk-2

Parish Wide

■ORLNS-1 EBR-1

■ORLNS-2 EBR-2

■ORLNS-3 EBR-3

■ORLNS-4 EBR-4

- Continue to Build Partnerships with all Members of Emergency Response Community
- Shared Governance Agreement for Users of System, Users will have Input into Decisions
- Shared Resources Model
- Continued and Joint Effort to Secure Federal Funding for Completion of LATIE Project

Expand 700 MHz System Across Coastal Louisiana

Orleans

St. Bernard

Jefferson

St Tammany

Tangipahoa

St. John

Lafourche

Terrebonne

Assumption

Ascension

Allen

Beauregard

Cameron

Evangeline

Lafayette

St. Landry

St. Mary

Jefferson Davis

Upgrade 28 Sites with 4 Repeaters

32 Microwave Connections

Plaquemines

Washington

St. Charles

St. James

Acadia

Calcasieu

Iberia

St. Martin

Vermillion

- In Building Enhanced Coverage
 - Superdome
 - Cajundome
 - Lake Charles Civic Center
- Two Additional Mobile Communication
 Towers in Southwest Louisiana

- Elevation of Hackberry and Buras Tower Facilities
- Mobile Communications Trailer with Satellite Backhaul and Full Motion Video Connectivity to Emergency Operations Center
- Twelve Cellular on Wheels (COW)
- Portable Microwave Systems

State Subscriber Units

Item	Units	Unit Price	Total Cost
Console Stations	28	\$131,293	\$3,676,204
Portables	1,648	\$2,200	\$3,625,600
Mobiles	5	\$2,200	\$11,000
Control Stations	48	\$4, 000	\$192,000
Total			\$7,504,804

Local Subscriber Units for SW LA

Item	Units	Unit Price	Total Cost
Console Stations	204	\$131,293	\$26,783,772
Portables	21,971	\$2,200	\$48,336,200
Mobiles	0	\$2,200	\$0
Control Stations	654	\$4,000	\$2,616,000
Total			\$77,735,972

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